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YOUNG & THOMPSON
745 SOUTH 23RD STREET 2ND FLOOR
ARLINGTON, VA 22202

EXAMINER	
TON, ANTHONY T	

ART UNIT	PAPER NUMBER
2661	

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/819,826	WASIK ET AL.	
	Examiner	Art Unit	
	Anthony T Ton	2661	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *29 March 2001*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-20* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-20* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *29 March 2001* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

PHIRIN SAM
PRIMARY EXAMINER

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date *03/29/01*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Specification

1. The disclosure is objected to because of the following informalities:

a) Term "adapter **45**" in page 10 line 10, line 12 and line 18; and in page 11 line 3 is improper since it is not corresponding to Fig.1.

Examiner suggests changing this term to "adapter **50**".

b) Term "notebook **50**" in page 10 line 14; and in page 11 line 4 is improper since it is not corresponding to **Fig.1**.

Examiner suggests changing this term to "notebook **45**".

Appropriate correction is required.

Claim Objections

2. **Claims 1 and 17** are objected to because of the following informalities:

i) **In Claim 1**:

a) Term "comprising;" in line 1 is improper since the semi-colon ";" should be replaced by a colon ":".

Examiner suggests changing this term to "comprising:".

b) Terms "network," in line 6 and "unit," in line 9 are improper since the comma "," should be replaced by a semi-colon ";" to be complied with the other semi-colons recited in lines 4 and 12.

Examiner suggests changing these terms to "network;" and "unit;", respectively.

c) Term "access script, **and**" in line 8 is improper since the term "**and**" is redundant with another "**and**" recited in line 9.

Examiner suggests changing this term to "access script,".

ii) **In Claim 17**:

a) Term "comprising;" in line 1 is improper since the semi-colon ";" should be replaced by a colon ":".

Examiner suggests changing this term to "comprising:".

b) Term "a facility," in line 3 is improper since the comma "," should be replaced by a semi-colon ";" to be complied with the other semi-colons recited in lines 5, 7 and 10.

Examiner suggests changing this term to "a facility;".

c) Term "area network; **and**" in line 7 is improper since term "**and**" should be moved to at the end of line 10.

Examiner suggests changing this term to "area network;".

d) Term "computer;" in line 10 is improper since term "**and**", which is recited in the line 7, should be moved to at the end of the line 10.

Examiner suggests changing this term to "computer; **and**".

e) Term "**a** Internet" in line 4 is improper for vowel "**a**".

Examiner suggests changing this term to "**an** Internet".

Appropriate correction is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. **Claims 1, 4 and 17-19** are rejected under 35 U.S.C. 102(e) as being anticipated by **Thompson et al.** (US Patent Application Publication No. **US 2002/0022483 A1**) hereinafter referred to as **Thompson**.

a) **In Regarding to Claim 1**: **Thompson disclosed** an Internet access system, comprising:

a wireless local area network having a wireless access point located in a building and connected to the Internet *(see Fig.1)*;

a rental station located within the building and connected to the wireless local area network *(see Fig.1: wireless service providers 160)*;

the rental station including a network access script generator for generating a network access script, a network access database, and a data input unit *(see Para. [0084] in page 6, and Para. [0160] in page 15)*;

the network access script generator operatively connected to the network access database and the data input unit *(see Para. [0150] in page 14)*; and

a wireless station adapter synchronizable to communicate with the access point after having been installed and configured in a communication device *(see Paras. [0080] and [0158])*,

wherein the network access script from the network access script generator operates to automatically install the wireless station adapter in the communication device and to configure the wireless station adapter for synchronization with the access point *(see Paras. [0160] – [00163] in page 15).*

b) **In Regarding to Claim 4**: **Thompson further disclosed** the system of claim 1, wherein the script file reads operating system registry keys to identify existing protocol stack components of the communication device and determine registry keys necessary for binding TCP/IP to the station adapter *(see Para. [0081] in page 6).*

c) **In Regarding to Claim 17**: the claimed subject matters of this claim are the same as that in claim 1, **except for** an Internet connecting device connecting the wireless local area network to the Internet.

However, **Thompson also disclosed** such an Internet connecting device connecting the wireless local area network to the Internet *(see Fig.2: Routers A, B, and C).*

d) **In Regarding to Claim 18**: **Thompson further disclosed** the system of claim 17,

wherein the rental station is configured to assign Extended Service Set IDs to the wireless station adapter matching selected ones of the plural wireless access points as a condition for synchronization between the wireless station adapter and the wireless access points *(see Paras. [0031] – [0036]).*

e) **In Regarding to Claim 19**: **Thompson further disclosed** the system of claim 18, wherein the rental station further comprises a database tracking wireless station adapter use and assignment of bandwidth of to the wireless station adapter and the portable computer *(see Para. [0084]).*

5. **Claims 1, 4, 5 and 14-16** are rejected under 35 U.S.C. 102(e) as being anticipated by **Klein** (US Patent Application Publication No. **US 2002/0007407 A1**).

a) **In Regarding to Claim 1**: **Klein disclosed** an Internet access system, comprising:

a wireless local area network having a wireless access point located in a building and connected to the Internet *(see Fig.1: 100 and 110 (WLANs), Base stations (wireless access points); and see Para. [0011] in page 1: Internet)*;

a rental station located within the building and connected to the wireless local area network *(see Fig.1: Host Computers)*;

the rental station including a network access script generator for generating a network access script, a network access database, and a data input unit *(see Para. [0031] in page 2; Para. [0038] in page 3; and Paras. [0063] – [0067] in page 6))*;

the network access script generator operatively connected to the network access database and the data input unit *(see Fig.4: database 440);* and

a wireless station adapter synchronizable to communicate with the access point after having been installed and configured in a communication device *(see abstract, and Fig.2: 225 and 233)*,

wherein the network access script from the network access script generator operates to automatically install the wireless station adapter in the communication device and to configure the wireless station adapter for synchronization with the access point *(see Paras. [0063] - [0067] in page 6)*.

b) **In Regarding to Claim 4**: **Klein further disclosed** the system of claim 1, wherein the script file reads operating system registry keys to identify existing protocol stack components

of the communication device and determine registry keys necessary for binding TCP/IP to the station adapter *(see Paras. [0056] and [0059]).*

c) **In Regarding to Claim 5**: **Klein further disclosed** the system of claim 4, wherein the station adapter is configured free from interaction with any operating system wizard and any operating system reboot *(see Para. [0058]).*

d) **In Regarding to Claim 14**: **Klein disclosed** an Internet access-configurable portable computing device, comprising:

a portable computing device including a wireless network adapter *(see abstract and Para. [0029]: remote units 15 as a WLAN adapter);* and

a portable computer-readable medium containing a wireless network access script, the access script including a code for automatically synchronizing the wireless network adapter with a wireless network access point *(see Paras. [0063] – [0066] and claim 15).*

e) **In Regarding to Claim 15**: **Klein further disclosed** the computing device of claim 14, wherein the access script comprises a time module to alter the code as a function of elapsed time *(see Paras. [0036] and [0071]).*

f) **In Regarding to Claim 16**: **Klein further disclosed** the computing device of claim 14, wherein the computer-readable medium is a CD-ROM and the code is an encryption code *(see Paras. [0070] and [0062]).*

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

7. **Claims 2, 3 and 6** are rejected under 35 U.S.C. 103(a) as being unpatentable over **Thompson et al.** (US Patent Application Publication No. **US 2002/0022483 A1**) in view of **Harrel et al.** (US Patent No. **US 6,778,519**) hereinafter referred to as **Harrell.**

a) **In Regarding to Claim 2**: **Thompson disclosed** all aspects of this claim as set forth in claim 1; and

Thompson further disclosed the wireless local area network is an Ethernet network *(see Para. [0177] in page 16)*, the communication device is a personal computer *(see Para. [0080] in page 6: PCD)*, and the network access script generator writes the network access script file on a computer-readable medium *(see Paras [0087], [0093] and [0101]).*

Thompson failed to explicitly disclose the station adapter is a wireless PCMCIA network card.

Harrell explicitly disclosed such a wireless PCMCIA network card *(see Figs. 3 and 4: 170).*

At the time of the invention, **it would be obvious** to a person of ordinary skill in the art to implement such a wireless PCMCIA network card throughout one of wireless Ethernet IEEE 802.11 cards of Thompson, as taught by Harrell, so that portable or laptop computers can be interfaced to a variety of peripheral devices in a local network area. **The motivation** for doing so would have been to provide a larger number than eight peripheral devices in wireless communication networks, and to minimize thermal buildup in portable or laptop computers *(see*

Harrell, col.2 lines 57-62). Therefore, it would have been obvious to combine Harrell with Thompson in the invention as specified in the claim.

b) **In Regarding to Claim 3**: **Thompson further disclosed** the system of claim 2, wherein the system comprises plural station adapters, each station adapter individually addressable from the rental station via the access point *(see Paras [0030] – [0031] in page 3).*

c) **In Regarding to Claim 6**: **Thompson further disclosed** the system of claim 3, wherein the access script file configures the station adapter with a first Extended Service Set ID matching with an access point Extended Service Set ID associated with the access point *(see Para. [0018] in page 2, and Para. [0175] in page 16).*

8. **Claims 2, 3 and 6-13** are rejected under 35 U.S.C. 103(a) as being unpatentable over **Klein** (US Patent Application Publication No. **US 2002/0007407 A1**) in view of **Harrel et al.** (US Patent No. **US 6,778,519**).

a) **In Regarding to Claim 2**: **Klein disclosed** all aspects of this claim as set forth in claim 1; and

Klein further disclosed the wireless local area network is an Ethernet network *(see Para. [0028])*, the communication device is a personal computer *(see Fig.1: 15)*, and the network access script generator writes the network access script file on a computer-readable medium *(see Paras. [0063] and [0064]).*

Klein failed to explicitly disclose the station adapter is a wireless PCMCIA network card.

Harrell explicitly disclosed such a wireless PCMCIA network card *(see Figs. 3 and 4: 170).*

At the time of the invention, **it would be obvious** to a person of ordinary skill in the art to combine such a wireless PCMCIA network card, as taught by Harrell with Klein, so that portable or laptop computers can be interfaced to a variety of peripheral devices in a local network area. **The motivation** for doing so would have been to provide a larger number than eight peripheral devices in wireless communication networks, and to minimize thermal buildup in portable or laptop computers. Therefore, it would have been obvious to combine Harrell with Klein in the invention as specified in the claim.

b) **In Regarding to Claim 3**: **Klein further disclosed** the system of claim 2, wherein the system comprises plural station adapters, each station adapter individually addressable from the rental station via the access point *(see Fig.1 and Paras [0004] and [0068]).*

c) **In Regarding to Claim 6**: **Klein further disclosed** the system of claim 3, wherein the access script file configures the station adapter with a first Extended Service Set ID matching with an access point Extended Service Set ID associated with the access point *(see Para. [0044] and Para. [0066]).*

d) **In Regarding to Claim 7**: **Klein further disclosed** the system of claim 6, wherein the rental station further comprises a module for assigning the access point with the access point Extended Service Set ID *(see Para. [0045] and Para. [0053]).*

e) **In Regarding to Claim 8**: **Klein further disclosed** the system of claim 6, wherein the rental station comprises a module for updating the network access database with the first

Extended Service Set ID and information identifying the wireless PCMCIA network card *(see Paras. [0039] and [0045]).*

f) **In Regarding to Claim 9**: **Klein further disclosed** the system of claim 6, wherein the access script file comprises a time module to alter the first Extended Service Set ID as a function of elapsed time *(see Paras. [0036] and [0071]).*

g) **In Regarding to Claim 10**: **Klein further disclosed** the system of claim 6, wherein the access script file comprises a Extended Service Set ID change module for changing the first Extended Service Set ID as a function of a calendar date *(see Paras. [0057] and [0062]).*

h) **In Regarding to Claim 11**: **Klein further disclosed** the system of claim 2, wherein the access script file includes an encryption key for matching with an access point encryption key associated with the access point *(see Para. [0062])*

i) **In Regarding to Claim 12**: **Klein further disclosed** the system of claim 6, wherein the access point Extended Service Set ID can be changed by wireless communication with the wireless PCMCIA network card via the access point *(see Para. [0062]).*

j) **In Regarding to Claim 13**: **Klein further disclosed** system of claim 2, wherein the system further comprises wireless access points outside the building, the wireless local area network further comprises plural wireless access points within the building *(see Fig.1: Base stations),* and the access script file provides the wireless PCMCIA network card with plural Extended Service Set IDs matching with plural access point Extended Service Set IDs associated with plural wireless access points *(see Para. [0044] and Para. [0066]).*

9. **Claims 5 and 20** are rejected under 35 U.S.C. 103(a) as being unpatentable over **Thompson et al.** (US Patent Application Publication No. **US 2002/0022483 A1**) in view of **Klein** (US Patent Application Publication No. **US 2002/0007407 A1**).

a) **In Regarding to Claim 5: Thompson disclosed** all aspects of this claim as set forth in claims 1 and 4.

Thompson failed to explicitly disclose the station adapter is configured free from interaction with any operating system wizard and any operating system reboot.

Klein disclosed such a station adapter is configured free from interaction with any operating system wizard and any operating system reboot *(see Para. [0058]).*

At the time of the invention, **it would be obvious** to a person of ordinary skill in the art to implement such a station adapter is configured free from interaction with any operating system wizard and any operating system reboot, as taught by Klein with Thompson, so that a failure components of a communication system can be replaced. **The motivation** for doing so would have been to provide an upgrade outdated software/hardware or after finishing a configuration process. Therefore, it would have been obvious to combine Klein with Thompson in the invention as specified in the claim.

b) **In Regarding to Claim 20: Thompson disclosed** all aspects of this claim as set forth in claims 17 and 18; and

Thompson further disclosed the network access script includes a time-limit code written for limiting an amount of time the wireless station adapter maintains an Extended Service Set ID assignment, after which time the time-limit code removes the assigned Extended Service Set ID from the wireless station adapter *(see Paras. [0156] – [0158]); and*

the network access script accesses registry keys in the portable computer for determining existing protocol stack components on the portable computer and binding TCP/IP to the wireless station adapter *(see Para. [0081]).*

Thompson failed to explicitly disclose configuring the portable computer for network and Internet access free from interaction with an operating system wizard and an operating system reboot.

Klein disclosed such configuring the portable computer for network and Internet access free from interaction with an operating system wizard and an operating system reboot *(see Para. [0058]).*

At the time of the invention, **it would be obvious** to a person of ordinary skill in the art to implement such configuring the portable computer for network and Internet access free from interaction with an operating system wizard and an operating system reboot, as taught by Klein with Thompson, so that a failure components of a communication system can be replaced. **The motivation** for doing so would have been to provide an upgrade outdated software/hardware or after finishing a configuration process. Therefore, it would have been obvious to combine Klein with Thompson in the invention as specified in the claim.

Examiner Information

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Anthony T Ton** whose telephone number is 571-272-3076. The examiner can normally be reached on M-F: 8:00 am - 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Ken Vanderpuye** can be reached on 571-272-3078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-3076.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ATT

9/03/04

PHIRIN SAM
PRIMARY EXAMINER